ECU2300

USB3.0 Dual ports
ExpressCard/34mm

Introduction

Super-Speed USB3.0 interface is the next revolution in I/O interconnect standards that will deliver the bandwidth and features required by PCs, consumer electronics and communications devices. With 10 times faster throughput than USB 2.0 standard and backward compatible with current USB device features, USB3.0 interface will be the trendy of IT technology.

SUNIX ECU2300 was created to meet the need of the ExpressCard market where notebooks, desktops, and docking stations could add two additional Super-Speed USB3.0 ports via a single slim-type ExpressCard slot. It works up to 5 Gbps for data transfer when connecting to USB 3.0 compliant peripherals, while maintaining compatibility with existing USB peripheral devices. Users will benefit from ExpressCard plug-n-play ease of use, which eliminates the need to open the chassis to add new features. With SUNIX ECU2300 USB3.0 ExpressCard/34mm, it makes you connect kinds of USB peripheral instantly and conveniently, such as external storage devices, MP3 players, external writer, digital cameras, webcam, networking and video devices, and all other USB devices.

Features

- Fully compliant with ExpressCard Specification 1.0.
- Full single-lane (or x1) PCI Express throughput.
- ExpressCard/34 form factor module
- Compliant with Universal Serial Bus 3.0 specification Revision 1.0.
- Compliant with xHCI (eXtensible Host Controller Interface) specifications Revision 0.95.
- Supports simultaneous operation of multiple USB 3.0, USB 2.0 and USB 1.1 devices
- Supports USB data transfer rate of 1.5/12/480/5000 Mbps.
- Expands two external USB3.0 Super-Speed ports on the system.
- Built-in DC Jack connector for receiving extra power to meet USB3.0 +5V/900mA power output standard.
- Hot-swapping feature allows you to connect/disconnect devices without powering down the system.
- Driver supports for Microsoft Windows 2000, XP, Vista, and 7 operation system.
- Certified by CE, FCC, RoHS, and Microsoft WQHL approval.

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Specification

Interface: ExpressCard 34mm Wide

Mode: USB3.0

Controller: NEC μPD720200

Port: 2 external USB3.0 ports

Speed: Data Transfer rate of 1.5/12/480/5000 Mbps.
Low Speed (1.5Mbps), Full Speed(12Mbps), High Speed(480Mbps), Super Speed(5Gpbs)

Power Input: DC Jack Power Connector / Bus Power

Power Output: +5V / 900mA (each port)

PCB Dimension: 80 (W) x 68.5(L)mm

Bracket: Standard 121mm / Low Profile 79.2mm

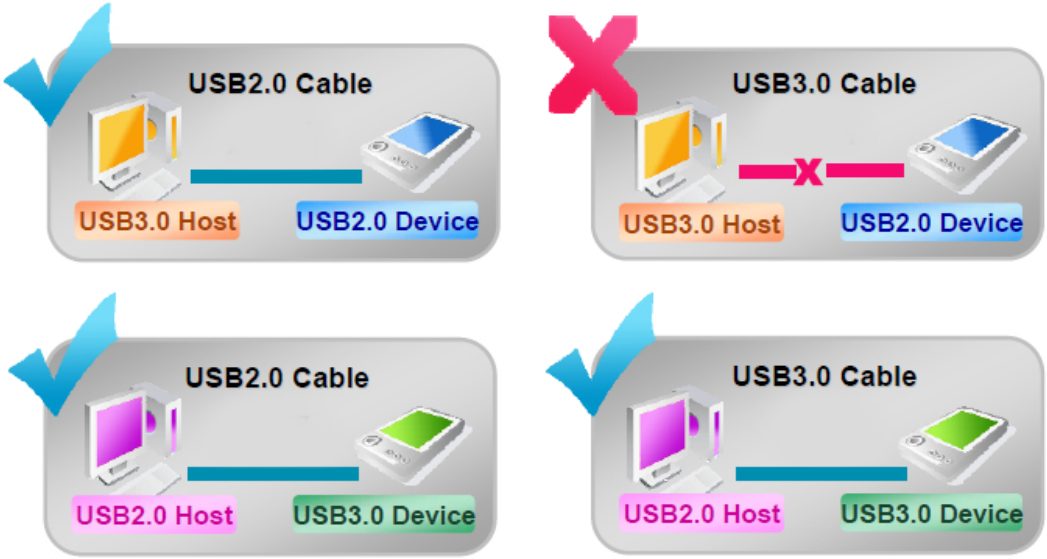
O.S. support: Windows2000/XP/2003/Vista/7, (32/64-bit)

Environment: Operation temp. 0 ˚C ~ 57 ˚C
Operation humidity: 5 ~ 95% RH
Storage temp.-20 ˚C ~ 85 ˚C

Package

- ECU2300
- CD Drive
- User's Manual
- +5V/2A Power Adapter **(Optional)**

Backward Compatible Application



USB Comparison

	Speed	Transmission	Power Supply	Cable Length
USB1.1	Low-speed(1.5Mbps) Full-speed(12Mbps)	Half-duplex two-wire differential signaling Unidirectional data flow with negotiated directional bus transitions	5V / 500mA	5M
USB2.0	Low-speed(1.5Mbps) Full-speed(12Mbps) High-speed(480Mbps)		5V / 500mA	5M
USB3.0	Low-speed(1.5Mbps) Full-speed(12Mbps) High-speed(480Mbps) Super-speed(5.0Gbps)	Dual-simplex, four wire differential signaling separate from USB2.0 signaling Simultaneous bi-directional data flows	5V / 900mA	5M